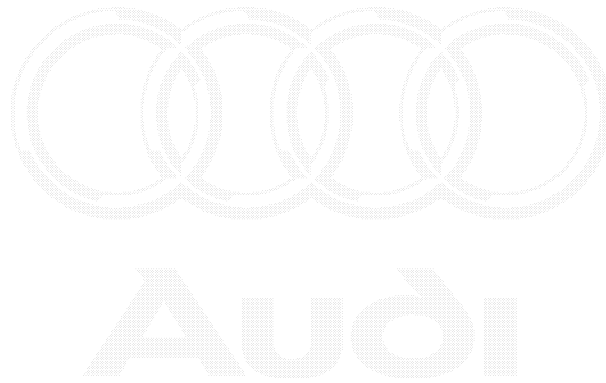


Maintenance

Audi A3 1997 ▶

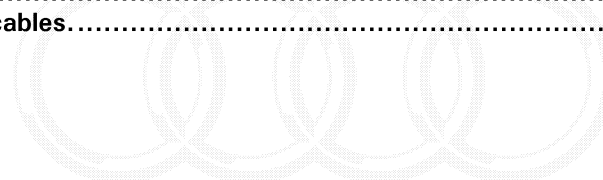


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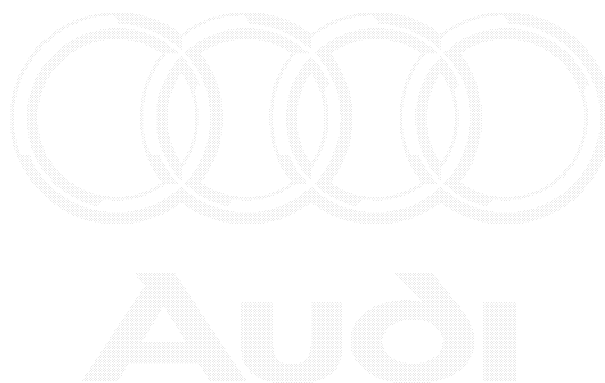
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Service Department. Technical Information

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Survey of engines

- The order in which the individual operations are given has been tested and represents the optimum working sequence. The sequence should therefore be followed to avoid unnecessary work interruptions.
- The sequence of operations given is based on that specified for the Inspection Service, which is the type of service most frequently required.
- Always inform the customer if faults or defects which need repairing are identified during the Inspection Service.

Code letters	AEH, AKL APF, AVU	AGN, APG	AGU	AQA, ARX	ARZ, AUM	AJQ
Exhaust emission classification	AEH- EU II, AKL- EU II + D3 APF- EU II + D4 AVU- EU IV	AGN- EU II + D3 APG- EU III	EU II + D3	AQA- EU II + D3 ARX- EU III	ARZ- EU II + D4 AUM- EU IV	EU II + D3
No of cylinders / Valves per cylinder	4 / 2	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Capacity	1.6	1.8	1.8	1.8	1.8	1.8
Output kW at rpm	74/5600 AVU 75/5600	92/6000	110/5000...6000	110/5000...5700	110/5000...5700	132/5500...6000
Torque Nm at rpm	145/3800 AVU148/3800	173/4100	210/2000...4500	210/1750...4600	210/1750...4600	235/1950...5000
Bore ø in mm	81.0	81.0	81.0	81.0	81.0	81.0
Stroke mm	77.4	86.4	86.4	86.4	86.4	86.4
Compression	10.2	10.3	9.5	9.5	9.5	9.5

1

Code letters	AEH, AKL APF, AVU	AGN, APG	AGU	AQA, ARX	ARZ, AUM	AJQ
Injection / ignition	Simos Multi Point Injection	Bosch Motronic	Bosch Motronic	Bosch Motronic	Bosch Motronic	Bosch Motronic
RON at least	95 ¹⁾ (unleaded)	95 ¹⁾ (unleaded)	95 ¹⁾ (unleaded)	95 ¹⁾ (unleaded)	95 ¹⁾ (unleaded)	98 ²⁾ Super plus unleaded
Hydraulic valve lifters	X	X	X	X	X	X
Self-diagnosis	X	X	X	X	X	X
Catalytic converter	X	X	X	X	X	X
Electronic throttle (Electronic throttle)	APF, AVU	-	-	X	X	X
Lambda control	X	X	X	X	X	X
Inlet manifold change-over system	APF, AVU	X	-	-	-	-
Secondary air inlet	-	-	-	ARX	X	-
Exhaust gas recirculation system	APF, AVU	-	-	-	-	-
Turbocharging	-	-	X	X	X	X
Exhaust emission test after 3,5,7,9... years	X	X	X	X	X	X

¹⁾ Regular unleaded petrol RON 91 can be used but will cause a slight loss of power.

²⁾ Premium unleaded petrol RON 95 can be used but will cause a slight loss of power.

2

Code letters	APP	AUQ	ARY	APY, AMK
Exhaust emission classification	EU II + D4	EU IV	EU III	APY-EU II + D3 AMK- EU III
No of cylinders / Valves per cylinder	4 / 5	4 / 5	4 / 5	4 / 5
Capacity l	1.8	1.8	1.8	1.8
Output kW at rpm	132 5500...6000	132 5500...6000	132 5500...6000	154/ 5000...5800
Torque Nm at rpm	235 1950...5000	235 1950...5000	235 1950...5000	270/ 2100...5000
Bore ø in mm	81.0	81.0	81.0	81.0
Stroke mm	86.4	86.4	86.4	86.4
Compression	9.5	9.5	9.5	9.5

Code letters	APP	AUQ	ARY	APY, AMK
Injection / ignition	Bosch Motronic	Bosch Motronic	Bosch Motronic	Bosch Motronic
RON at least	98 ²⁾ Super plus (unleaded)	98 ²⁾ Super plus (unleaded)	98 ²⁾ Super plus (unleaded)	98 ²⁾ Super plus (unleaded)
Hydraulic valve lifters	X	X	X	X
Self-diagnosis	X	X	X	X
Catalytic converter	X	X	X	X
Lambda control	X	X	X	X
Electronic throttle (Electronic throttle)	X	X	X	X
Secondary air inlet	X	X	X	X
Exhaust gas recirculation system	-	-	-	-
Turbocharging	X	X	X	X
Exhaust emission test after 3,5,7,9... years	X	X	X	X

²⁾ Premium unleaded petrol RON 95 can be used but will cause a slight loss of power.

Diesel engines

Code letters	AGR, ALH	AHF, ASV	ATD, AXR	ASZ	
Exhaust emission classification	AGR- EU II ALH- EUII + D3	AHF- EU II ASV- EU III	ATD- EU III AXR- EU III + D4	EU III	
No. of cylinders / valves per cylinder	4 / 2	4 / 2	4 / 2	4 / 2	
Capacity	1.9	1.9	1.9	1.9	
Output	kW at rpm	66/4000	81/4150	74/4000	96/4000
Torque	Nm at rpm	210/1900	235/1900	240/ 1800...2400	310/1900
Bore	øin mm	79.5	79.5	79.5	79.5
Stroke	mm	95.5	95.5	95.5	95.5
Compression		19.5	19.5	19.0	19.0

Code letters	AGR, ALH	AHF, ASV	ATD, AXR	ASZ
Injection / ignition	TDI	TDI	TDI Pump jet	TDI Pump jet
CN	at least 49	49	49	49
Hydraulic valve lifters	X	X	X	X
Self-diagnosis	X	X	X	X
Catalytic converter	With oxidising catalytic con- verter	With oxidising catalytic con- verter	With oxidising catalytic con- verter	With oxidising catalytic con- verter
Lambda control	-	-	-	-
Electronic throttle	AGR as of MY 1999	X	X	X
Exhaust gas recirculation system	X	X	X	X
Turbocharging	X	X	X	X
Charge air cooler	X	X	X	X
Exhaust emission test after 3,5,7,9...years	X	X	X	X

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Delivery Service

Work to be completed	Page
For vehicles kept in stock for long periods: Perform measures as specified in Technical Service Manual "Inspection and Maintenance", chapter 6	
Battery: Before starting the engine for the first time check "no load" voltage (only applies to vehicles kept in stock for long periods)	124
Battery: Check security of battery cables.	125
Battery: Perform load test	127
Engine (from above) and engine compartment: visual check for leaks and damage	134
Cooling system: fluid level to maximum	136
Windscreen / headlight washer system: fluid level to maximum	135
Engine: check oil level and top up if necessary	184
Brake system: fluid level to maximum	185
Hydraulic system: check oil level	148
Transport locks: remove locking elements for front suspension struts	155
Underside of vehicle, mechanical units, steering, protective boots, brake system, hoses, fluid reservoirs: visual check for leaks and damage (without removing noise insulation)	
Vehicle underside (underbody): visual check for damage	172
Tyres (incl. spare wheel): check inflation pressures, note: 3.5 bar when supplied from factory	176
Wheel bolts: tighten to specified torque	178
Fit fuse nos. 14 (10 A) and 42 (15 A) in ashtray	
Continued ▼	

Insert fuse no. 14 (10 A) in ashtray (introduced from week 18, model year 01)	
All switches, electrical equipment, displays and other driver-operated controls: Checking function	26
Electric window lifters: check positions	36
Digital clock: Adjusting	
Air conditioner: check function, set temperature to 22 °C	37
Radio or Radio/Navigation System Plus (Chorus, Concert, Symphony): deactivate transport mode (introduced from week 18, model year 01)	37
Radio or Radio/Navigation System Plus: Stick label with serial number and fixed code number (see vehicle data sticker) onto radio card or with navigation system Plus into equipment card of the operating instructions	
Radio or Radio/Navigation System Plus: activate anti-theft coding by entering fixed code number	43
Radio or Radio/Navigation System Plus: store local radio stations under station keys (on RDS radios, do not store until station name appears on display)	
Telephone/telematics: Attach sticker with serial number in telephone/telematics operating instructions	
Telematics: initialisation of telematics services (RLF radio, telephone, navigation)	
Dash panel insert: set language version	48
Service interval display: reset	51
Service display: Reset inspection service as of model year 2000 > (Y)	88
Service display: Reset LongLife Service as of model year 2000 > (Y)	58
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Front passenger airbag: Control key switching On / Off, must be set to "On". (see operating instructions)	
All control units: Interrogating fault memory (Enter "00" for address word "Automatic test sequence")	
Windscreen washer jets: adjust settings	28
Protective seat covers and plastic sheeting for carpet: remove	
Floor mats: Assembling	
Check cleanliness of vehicle interior: front and rear seats, interior trim, carpeting/floor mats, windows	
Fit: wheel covers/trim caps, roof aerial, telephone aerial (components stored in luggage compartment)	
Transport locks: remove protective edge strips on doors	
Check cleanliness of vehicle exterior: paintwork, trims, windows, wiper blades	
Check sticker for key no./identification no. for electronic immobiliser on key fob for complete and legible details	
Audi service sticker: enter date for next service (and for brake fluid change) on sticker and affix sticker on left of dash panel or on door post (B-pillar) (sticker not applicable as of model year 02)	10
Service booklet: Enter Delivery Service	
Attach sticker: Take the sticker for Audi models with LongLife Service (contained in the vehicle literature) and attach it at the front of the vehicle near the engine oil dipstick.	
Vehicle literature: check that literature in Service Wallet is complete and prepare for handing over to customer	
Test drive: perform	212

Delivery Service

The entry on the vehicle sticker whether LongLife Service or Inspection Service refers to the country of delivery => Page 12.

– Complete sticker accordingly:

Vehicles with LongLife Service => see description below

With Inspection Service => Page 11

LongLife Service

– Tick box on the sticker: next service date after display.

– Brake fluid service: Add 24 months to current date and enter.

Note:

Observe used oil type and entry of oil grade in dash panel insert.



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Audi A3 Maintenance

Full download: <http://manualplace.com/download/audi-a3-maintenance/>

Inspection Service (fixed interval)

Every 15,000 km or 12 months, oil change service. Inspection service every 30,000 km



- Month, year: Add 12 months to current date and enter Kilometre.
- Brake fluid service: Add 24 months to current date and enter.

Note:

Observe used oil type and entry of oil grade in dash panel insert. Attach completed sticker to left of dash panel, on inside of door or at door post on driver's side (B-pillar) of the vehicle.

Audi A3 as of chassis number 8LYA 000 001

Vehicles 2000 > (Y)

Note:

The LongLife Service is activated at the factory in all vehicles in the countries mentioned below.

Belgium Germany

Denmark France

Finland Great Britain

Greece Gibraltar

Italy Iceland

Ireland Canary Isles

Luxembourg Malta

Netherlands Norway

Austria Portugal

Sweden Switzerland/Liechtenst.

Spain/Andorra Cyprus

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